

What is claimed is:

1. An image recording method comprising:

forming an image by jetting an ultraviolet curable ink on a recording medium from a recording head of an ink jet system; thereafter

curing and fixing the ink placed on the recording medium by irradiation with an ultraviolet-ray; and

selecting a jet condition of the recording head for an image formation from a plurality of jet conditions stored for each type of the recording medium, depending on a type of the recording medium to be used.

2. The method of claim 1, wherein the jet condition comprises a tone curve which is set depending on a type of the recording medium for determining an amount of ink to be jetted for individual colors in response to an input signal.

3. The method of claim 2, wherein for a case where the recording medium has a low ink absorptivity, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the recording medium has a high ink absorptivity is used.

4. The method of claim 2, wherein for a case

where the recording medium has a glossiness larger than a predetermined value, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the recording medium has a glossiness smaller than the predetermined value is used.

5. The method of claim 2, wherein for a case where the ultraviolet curable ink comprises a non-water-based ink, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the ultraviolet curable ink comprises a water-based ink is used.

6. The method of claim 2, wherein for the case where the ultraviolet curable ink comprises a non-water-based ink, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the ultraviolet curable ink comprises a water-based ink is used to the recording medium having a glossiness larger than a predetermined value.

7. The method of claim 1, wherein the jet condition comprises a limit amount of ink for determining a total amount of ink to be jetted per pixel based on a total input signal.

8. The method of claim 4, for a case where the ultraviolet curable ink comprises a water-based ink, a limit amount of ink is reduced from that of a case where the ultraviolet curable ink comprises a non-water-based ink to the recording medium having a glossiness smaller than a predetermined value.

9. The method of claim 1, a type of the recording medium is identified using a gloss sensor, and the jet condition is selected depending on the type of the recording medium identified.

10. An image recording apparatus comprising:

a recording head of an ink jet system for forming an image by jetting an ultraviolet curable ink on a recording medium;

a light source for irradiating the recording medium with an ultraviolet ray to cure and fix the ink placed on the recording medium;

an input section for inputting a type of the recording medium;

a storing section for storing a jet condition for each type of the recording medium; and

a control section which identifies the type of the recording medium to be used based on an input result through the input section, and selects a jet condition

corresponding to the type identified, for controlling the recording head.

11. The apparatus of claim 10, the storing section stores a plurality of tone curves as the jet condition, each of which is set depending on a type of the recording medium for determining an amount of ink to be jetted for individual colors in response to an input signal.

12. The apparatus of claim 10, the storing section stores a plurality of limit amounts of ink to be jetted as the jet condition, each of which is set depending on a type of the recording medium for determining a total amount of ink to be jetted in response to a total input signal.

13. The apparatus of claim 10, the input device comprises a gloss sensor for detecting a gloss of the recording medium.